

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1435	turbine and ("ZrO.sub.2" or zirconia or YSZ or ZrO2) and (silica or "sio.sub.2" or SiO2 or silicon oxide or silicon dioxide) with (powder or particle or nanoparticle or microparticle)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/04 14:26
L2	96	turbine and ("ZrO.sub.2" or zirconia or YSZ or ZrO2) and amorphous with (silica or "sio.sub.2" or SiO2 or silicon oxide or silicon dioxide) with (impregnat\$3 or fill\$3 or coat \$3 or poro\$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/04 14:28
L4	0	turbine and amorphous with (silica or "sio.sub.2" or SiO2 or silicon oxide or silicon dioxide) with (impregnat\$3 or fill\$3 or coat\$3 or poro\$5) with (lubric \$6 or lubricious or wear\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/04 14:45
L5	189	turbine and amorphous with (silica or "sio.sub.2" or SiO2 or silicon oxide or silicon dioxide) with (impregnat\$3 or fill\$3 or coat\$3 or poro\$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/04 14:45
L12	143	((AKI HIRO) near2 (GOTO)). INV.	US-PGPUB; USPAT	ADJ	ON	2009/09/04 14:47
L13	31	((MITSUTOSHI) near2 (WATANABE)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/09/04 14:47
L14	33	((HI ROYUKI) near2 (OCHI AI)). INV.	US-PGPUB; USPAT	ADJ	ON	2009/09/04 14:47
L15	30	((MASAO) near2 (AKI YOSHI)). INV.	US-PGPUB; USPAT	ADJ	ON	2009/09/04 14:47
L16	160	L12 or L13 or L14 or L15	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/04 14:47
L17	3	porous and L16 and (silica or "sio.sub.2" or SiO2 or silicon oxide or silicon dioxide)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/04 14:47
L18	17	turbine and amorphous with (silica or "sio.sub.2" or SiO2 or silicon oxide or silicon dioxide) with (lubric\$6 or lubricious or seal\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/04 14:48

L19	19	turbine and amorphous with (silica or "sio.sub.2" or SiO2 or silicon oxide or silicon dioxide) with (lubric\$6 or lubricious or seal\$3 or friction or wear\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/04 14:49
L20	1	"US 20070184298" and amorphous	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/09/04 14:55
L22	5	nano ceramic coatings	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/04 16:08
S1	2	"20030132119".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/29 17:53
S4	4	("6042898"   "6447854").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/31 10:31
S5	68	("20010014405"   "20020147521"   "20040064945"   "3552479"   "3660882"   "3754899"   "3778586"   "3961910"   "4744725"   "4802828"   "4818388"   "4878953"   "5134032"   "5264011"   "5804789"   "5858479"   "5935407"   "6086684"   "6348668"   "6365008"   "6437278"   "6492611"   "6602561"   "6793982"   "6808604"   "6821579"   "6929829"   "6935917"   "6548028").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/31 12:11
S11	160	((HIROYUKI) near2 (OCHI AI)). INV. or ((MIT SUTOSHI) near2 (WATANABE)).INV. or ((AKI HI RO) near2 (GOTO)). INV. or ((MASAO) near2 (AKI YOSHI)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/08/31 12:14
S12	117	S11 and electrode	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/31 12:15
S13	19	S11 and electrode and turbine	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/31 12:15

S15	126579	(ESA or Electr\$2 spark\$3 weld \$3 or SHS or \$6propagating near5 synthesis)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/02 12:13
S16	4062	turbine and bond\$3 near4 coat \$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/02 12:14
S18	1141	(NiCr or nickel near3 chromium or \$4CrAlY) same bond coat\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/02 12:18
S19	2222	turbine and (tbc or barrier coating) and bond\$3 near4 coat \$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/02 12:18
S20	870	S18 and S19	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/02 12:18
S21	0	S15 and S20	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/02 12:18
S22	21	S15 and S16	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/02 12:19
S23	1878	427/175,483,484,189-191.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/02 12:26
S24	126727	(ESA or Electr\$2 spark\$3 alloy \$3 or electrospark alloy\$3 or SHS or \$6propagating near5 synthesis)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/02 12:38
S25	469	weld\$3 and green body	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/02 12:47
S26	68	weld\$3 and green body same (electrode or rod)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/02 12:47

S27	1	weld\$3 and green body same (electrode or rod) and turbine	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/02 12:47
S28	112	S18 and S19 and weld\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/02 12:48
S29	17	S18 same weld\$3 and S19	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/02 12:48
S30	2	"US 20070184298"	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/09/02 13:31
S31	1	("5952110").PN.	USPAT; USOCR	OR	OFF	2009/09/02 14:56
S32	2	((("5952110") or ("6190124")).PN.	USPAT; USOCR	OR	OFF	2009/09/02 14:58
S33	19	("4169020"   "4789441"   "4802828"   "5015502"   "5076897"   "5316866"   "5653579"   "5683825").PN. OR ("5952110").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/02 15:01
S36	943476	sio2 or "sio.sub.2" or silica or "mosi.sub.2" or mosi2	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/02 15:09
S37	2	S36 and S33	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/02 15:09
S38	1	("4738227").PN.	USPAT; USOCR	OR	OFF	2009/09/03 11:16
S39	53	("1762550"   "1798260"   "2739578"   "2855908"   "3082752"   "3110292"   "3140697"   "3259116"   "3398726"   "3408995"   "3965870"   "4074671"   "4284055"   "4300497"   "4398527"   "4426966"   "4485778"   "4511612"   "4522171"   "4558664").PN. OR ("4738227").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/03 11:29

S40	944073	sio2 or "sio.sub.2" or silica or "mosi.sub.2" or mosi2	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 11:30
S41	6	S39 and S40	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 11:30
S42	41	("3359192"   "4245611"   "4481237"   "4495907"   "4503130"   "4542111"   "4561406"   "4574590"   "4587177"   "4588607"   "4645716"   "4651630"   "4711208"   "4735128"   "4738227"   "4739738"   "4975314").PN. OR ("5305726").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/03 11:38
S43	16	S42 and S40	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 11:38
S44	2	((("4481237") or ("4588607"))). PN.	USPAT; USOCR	OR	OFF	2009/09/03 12:48
S45	126690	(ESA or Electr\$2 spark\$3 weld \$3 or SHS or \$6propagating near5 synthesis)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 13:02
S46	936	Turbine and S45	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 13:02
S47	11	Turbine and S45 and seal\$3 same S40	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 13:03
S48	59	Turbine same engine and S45 and S40	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 13:05
S49	32	Turbine same engine and S45 and S40 same (powder or partic \$5 or nanoparticle or microparticle)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 13:06

S50	7851	(ESA or Electr\$2 spark\$3 weld \$3 or SHS or \$6propagating near5 synthesis)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/09/03 13:07
S51	19	Turbine same engine and S50 and S40 same (powder or partic \$5 or nanoparticle or microparticle)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 13:07
S52	160	(Electr\$2 spark\$3 alloy\$3 or electrospark alloy\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 15:46
S53	86	219/76.13.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 15:54
S54	10	219/76.13.ccls. and turbine	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 15:55
S55	1	219/76.13.ccls. and MCrAlY	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 15:55
S56	0	plasma spray with sacrificial electrode	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 16:58
S57	0	plasma with spray with sacrificial electrode	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 16:58
S58	5	plasma with spray and sacrificial electrode	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 16:58
S59	11836	(sio2 or "sio.sub.2" or silica or "mosi.sub.2" or mosi2) and turbine	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 17:09
S60	3185	(sio2 or "sio.sub.2" or silica or "mosi.sub.2" or mosi2) with (powder or particle or nanoparticle) and turbine	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 17:09

S61	163	(sio2 or "sio.sub.2" or silica or "mosi.sub.2" or mosi2) with (powder or particle or nanoparticle) with (pore or porosity) and turbine	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 17:09
S62	39	(sio2 or "sio.sub.2" or silica or "mosi.sub.2" or mosi2) with (powder or particle or nanoparticle) with (pore or porosity) and turbine with engine	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 17:10
S63	1	"US 20070184298" and electric spark	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/09/03 17:23
S64	545	("ZrO.sub.2" or zirconia) same (silica or "sio.sub.2") same wear	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 18:13
S65	75	("ZrO.sub.2" or zirconia) same (silica or "sio.sub.2") same wear and engine	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 18:13
S66	32	("ZrO.sub.2" or zirconia) same (silica or "sio.sub.2") same wear and turbine same engine	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 18:13
S67	1	("3956531").PN.	USPAT; USOCR	OR	OFF	2009/09/03 18:17
S68	143	((AKI HIRO) near2 (GOTO)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/09/04 11:17
S69	31	((MITSUTOSHI) near2 (WATANABE)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/09/04 11:19
S70	33	((HI ROYUKI) near2 (OCHI AI)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/09/04 11:19
S71	30	((MASAO) near2 (AKI YOSHI)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/09/04 11:19
S73	160	S68 or S69 or S70 or S71	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/04 11:20
S74	22	porous and S73	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/04 11:20

S75	16	porous and S73 and turbine	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/04 11:20
S76	16	porous and S73 and turbine and electrode	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/04 11:20
S77	117	electrode and S73	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/04 11:21
S78	53	(green or ceramic or consumable) same electrode and S73	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/04 11:22
S79	671	turbine and cermet	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/04 11:37
S80	306	turbine and MCrAlY with ("ZrO. sub.2" or zirconia or YSZ or ZrO2)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/04 11:39
S81	69	turbine and MCrAlY with ("ZrO. sub.2" or zirconia or YSZ or ZrO2) and (silica or "sio.sub.2" or SiO2 or silicon oxide or silicon dioxide)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/04 11:40
S82	0	turbine and MCrAlY with ("ZrO. sub.2" or zirconia or YSZ or ZrO2) and (silica or "sio.sub.2" or SiO2 or silicon oxide or silicon dioxide) with (powder or particle or nanoparticle or microparticle) with pore	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/04 11:41
S83	0	turbine and MCrAlY with ("ZrO. sub.2" or zirconia or YSZ or ZrO2) and (silica or "sio.sub.2" or SiO2 or silicon oxide or silicon dioxide) with pore	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/04 11:41
S84	5	turbine and MCrAlY with ("ZrO. sub.2" or zirconia or YSZ or ZrO2) and (silica or "sio.sub.2" or SiO2 or silicon oxide or silicon dioxide) with (powder or particle or nanoparticle or microparticle)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/04 11:41



S85	3	turbine and MCrAlY with ("ZrO. sub.2" or zirconia or YSZ or ZrO2) and (silica or "sio.sub.2" or SiO2 or silicon oxide or silicon dioxide) with porosity	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/04 11:41
S86	10	turbine and MCrAlY with ("ZrO. sub.2" or zirconia or YSZ or ZrO2) and cermet	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/04 11:44

**9/ 4/ 2009 4:19:38 PM**